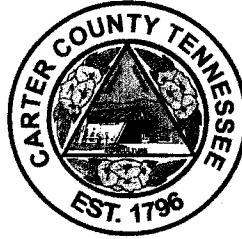


801 E. Elk Avenue, Suite 201
Elizabethton, TN 37643



TNS075124
PTH

Telephone: 423-542-1801
Fax: 423-542-9279
E-mail: mayor@cartercountyttn.gov

LEON HUMPHREY
COUNTY MAYOR

March 23, 2011

Mr. Brown Patton, Environmental Specialist
Tennessee Department of Environment and Conservation
Division of Water Pollution Control
2305 Silverdale Road
Johnson City, TN 37601-2162

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Pollution Control

Reference: **Municipal Separate Storm Sewer System (MS4) Phase II
NPDES Permit TNS075124**

Mr. Patton:

Attached hereto is the Notice of Intent along with all support documents completed by Carter County as required per the program referenced above. I greatly appreciate the division's consideration in allowing the county a 90 day extension for this submittal.

In the event you have any questions pertaining to this matter, please contact me at (423)542-1801.

Respectively,


Leon Humphrey
Carter County Mayor

CC: Vojin Janjic, DWPC, Permit Section, Nashville
Keith Bowers, Carter County Attorney
Chris Schuettler, Director Carter County Planning & Zoning



Tennessee Department of Environment and Conservation
Division of Water Pollution Control
L & C Tower Annex, 6th Floor
401 Church Street
Nashville, Tennessee 37243

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Phase II Stormwater Permit Notice of Intent (NOI)
Phase II Municipal Separate Storm Sewer Systems (MS4)

PURPOSE

The purpose of this Notice of Intent (NOI) is for a Tennessee city, county, utility district, university or military base to apply for NPDES permit to discharge stormwater runoff from a Phase II municipal separate storm sewer system.

INSTRUCTIONS

You must provide the following information to the Division of Water Pollution Control as application material. You may either submit a hard copy of the original NOI as described in sub-part 2.3 of the MS4 Permit, signed in accordance with the signatory requirements of sub-part 6.7 of the permit, and a copy of the NOI, to the address shown in sub-part 1.2 of the permit for the EFO responsible for the county where the facility is located; or you may submit by e-mail, with the completed NOI and attachments (such as map and city ordinances) to phase.two@tn.gov.

In addition, send an original, hard copy letter, signed by the responsible official of the MS4, which makes reference to the e-mail transmission including date and time that the electronic submitted was made. The letter must contain the signatory statement found on the NOI form. The letter must be mailed to the Nashville Central Office address as defined in sub-part 1.2 of the MS4 permit.

After completing the questions in each section, list the Best Management Practices (BMPs) that you will implement in each area based on a set of priorities you have identified in the area. Attached at the end of this NOI is an addendum to list BMP Measurable Goals and Implementation Milestones. You must complete the addendum, providing more details on the goals and milestones for each BMP outlined in this NOI.

After completing the BMP's in each section provide the administrative information to complete those BMP's as explained here:

Primary Contact and Position/Title	The person in your organization serving as the primary contact.
Other Department and Roles	Other departments within your organization involved in the project and how their role is identified.
Other Government Entity and Roles	Identification of other government entities responsible for implementing one or more of the BMP's. Include a copy of the interlocutory agreement, or contract, or proposed agreement with execution schedule.
Other Institutions and Roles	Identification of partnerships with another MS4 operator or institution (e.g., Chamber of Commerce, environmental interest organizations, civic groups) to achieve the BMP's.
Target Groups (if applicable)	Specific kinds of groups that will be targeted, such as service industries (i.e., carpet cleaning), civic groups, schools, and church groups, etc.

PART I
ADMINISTRATIVE INFORMATION

Name of city, county, stormwater utility district or other public institution that operates a Phase II MS4: Carter County

Leon Humphrey

Responsible Elected Official or Officer

Mayor

Title

801 E. Elk Ave.

Street Address

Elizabethton

City

TN

State

37643

Zip Code

**Phase II Stormwater Permit Notice of Intent (NOI)
Phase II Municipal Separate Storm Sewer Systems (MS4)**

PROGRAM CONTACT

Chris Schuettler, SW Program Mgr & Planning and Zoning Director

Name

christopher.alan.schuettler@us.army.mil

Email Address

423-542-1898

Phone Number

TECHNICAL CONTACT

Jimmy Church, Planning and Zoning Assistant Director

Name

it_jchurch@yahoo.com

Email Address

423-542-1898

Phone Number

☒ Attach an organizational chart that shows the different departments involved in stormwater management.

**PART II
DESCRIPTION OF STORM SYSTEM**

**ITEM A
AREA SERVED (IN SQUARE MILES)**

If city, town, university, or utility district: Give jurisdiction area within current corporate boundaries _____

If city, town, university, or utility district: Give additional area of urban growth boundary _____

If county: Give total area 341 Area unincorporated 329 Unincorporated, urbanized area (UA) 9.1

If county, indicate by checking the appropriate box if the permit will be used to regulate non-UA portions of your county:

Entire county (unincorporated)



Non-UA portions, as follows (describe below)



**ITEM B
STORM DRAINAGE INFRASTRUCTURE**

Give figures for the following features of stormwater drainage infrastructure owned or operated by the local government. For a county government, indicate whether the figures represent the entire county or only the urbanized area. Figures for length and number of culverts and catch basins may be rough estimates.

For counties: Entire county ☒ Urbanized area only ☐

Storm Sewers <2500 LF (miles, or feet)

Open Ditches 450 miles (miles, or feet)

Culverts 1100

Catch Basins <100

Retention Basins 0

Detention Basins <5

**ITEM C
MAPS**

Please include a map or maps depicting the following information. A single map may be submitted, as long as the information is legible. If you are not able to provide all the information please mark the applicable check box and attach an explanation as to why the information has not been submitted:

Zoned areas for commercial or industrial activity ☐
Actual areas of commercial or industrial activity ☐
Other municipally owned/operated industrial activities ☐
Municipal or County Wastewater Treatment Plants ☐
Vehicle Fleet Maintenance Centers ☐
Power Plants ☐
Airports ☐
Military Installations ☐

State vocational, technical, college or universities ☐
Federal vocational, technical, college or universities ☐
City Roads ☐
County Roads ☐
Perennial and intermittent streams ☐
Topography or Drainage Patterns ☐
Landfills ☐

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**Phase II Stormwater Permit Notice of Intent (NOI)
Phase II Municipal Separate Storm Sewer Systems (MS4)**

**ITEM D
IDENTIFYING IMPAIRED STREAMS AND OTHER WATER BODIES**

Using the GIS mapping tool (<http://tnmap.tn.gov/wpc/>) along with the most current 303(d) list published on the division's web site (<http://www.tn.gov/environment/wpc/publications/#wqassessment>), identify whether stormwater discharges from any part of the MS4 contribute pollutants of concern to an impaired waterbody and list below: For any impairment, indicate the waterbody ID#, name of impacted waterbody, nature of pollution (cause), and the source. If you have additional streams to list, please include in a separate attachment.

WATERBODY ID# AND NAME OF IMPACTED WATERBODY	CAUSE OF IMPAIRMENT	SOURCE OF IMPAIRMENT
Campbell Branch TN06010103008-0200	e. coli, siltation, habitat alteration, nitrates	MS4 contributing to all
Davis Branch 06010103008-0400	habitat alteration, streamside vegetation alteration	MS4 contributing to all
Gap Branch TN06010103008-0800	e. coli, siltation, habitat alteration, nitrates	MS4 contributing to all
Watauga River TN06010103008-1000 and 2000	undetermined causes, stream impoundment	MS4 contributing to undetermined causes, stream impoundment is NRCS structure
Buffalo Creek TN06010103011-1000	e. coli, nitrates	pasture grazing
Roaring Creek TN06010103013-0600	iron	stream impoundment is NRCS structure
Gouge Creek TN06010103013-0811	siltation	MS4 contributing
Watauga Lake TN06010103020-1000	mercury	atmospheric deposition
Sinking Creek TN06010103046-1000	e. coli	MS4 contributing

**ITEM E
HAS THE STATE OR EPA ISSUED A TMDL FOR ANY STREAMS DIRECTLY AFFECTED BY RUNOFF FROM YOUR MS4?**

Determine whether or not a TMDL has been established and approved by EPA and identify by checking the appropriate box. A list of EPA-Approved TMDLs as well as EPA-Established TMDLs for Tennessee waters can be found on the division's web site (<http://www.tn.gov/environment/wpc/tmdl/approved.shtml>).

Yes ☒ No ☐ If yes, list the waterbody ID#, name of impacted waterbody and parameter(s) of concern:

WATERBODY ID# AND NAME OF IMPACTED WATERBODY	PARAMETERS OF CONCERN
Watauga River HUC06010103 Campbell Branch TN06010103008-0200 Davis Branch 06010103008-0400 Gap Branch TN06010103008-0800 Hampton Branch TN06010103013-0300	siltation/habitat alteration. Hampton Branch listed for substrate alterations due to channelization. However, this stream is not listed as impaired on the 2010 303d list.
Watauga River HUC06010103 Campbell Branch TN06010103008-0200	e. coli.

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Phase II Municipal Separate Storm Sewer Systems (MS4)**

Sinking Creek.TN06010103046-1000	RECEIVED
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If you have additional streams to list, please include in a separate attachment.

**PART III
EXISTING LEGAL AUTHORITY TO CONTROL STORMWATER DISCHARGES TO MS4**


You must review ordinances that are associated with stormwater discharges to your MS4. Attach a copy of ordinances that give your MS4 the authority to control stormwater discharges into the MS4 storm sewer system. Ordinances that deal with stormwater issues might be found, for example, in conjunction with litter control, prohibition of dumping, clean up of spills, grading/building permits, sewer connection ordinances, erosion and sediment practices, subdivision regulations or other land use/development ordinances.

**PART IV
SIGNATURE OF RESPONSIBLE CORPORATE OFFICER**

This Notice of Intent (NOI) must be signed as follows: For a municipality, state, federal, other public agency, and/or co-permittees by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes one of the following:

- i. The chief executive officer of the agency.
- ii. A senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of EPA).

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

 _____ Signature	Leon Humphrey, Carter County Mayor _____ Title/Municipality	3/24/11 _____ Date
_____	_____	_____
Signature	Title/Municipality	Date
_____	_____	_____
Signature	Title/Municipality	Date
_____	_____	_____
Signature	Title/Municipality	Date
_____	_____	_____
Signature	Title/Municipality	Date
_____	_____	_____
Signature	Title/Municipality	Date

(Go to next page.)

Phase II Stormwater Permit Notice of Intent (NOI)
Phase II Municipal Separate Storm Sewer Systems (MS4)

PART V
YOUR PROPOSED STORMWATER QUALITY MANAGEMENT PROGRAM

This NOI requires you to provide a brief description of your current and proposed activities as well as your Best Management Practices (BMPs) for a stormwater management program. The following sections correspond to the six minimum control measures for a Phase II stormwater management program. If another MS4 will be responsible for implementing any or all portions of any or all following six minimum measures, then attach either the interlocutory agreement or the proposed agreement and schedule for adoption. You must still complete this NOI by answering the relevant questions for the six following measures.

For purposes of this NOI, the Public Education and Outreach and Public Participation and Involvement minimum measures have been combined.

SECTION 1
PUBLIC EDUCATION AND OUTREACH AND PUBLIC INVOLVEMENT/PARTICIPATION

A. Current Activities:

The following is a set of questions on your current Public Education and Outreach and Public Involvement/Participation. These questions are intended to highlight minimum program requirements under the MS4 permit. For MS4s who have not been previously covered under an MS4 permit, each element not currently performed must be implemented by the dates identified in Sub-part 4.1.1. of the permit. Thus, each question with a "No" answer must be addressed with a solution in the MS4's proposed program.

1. Does the municipality currently distribute educational materials on the topics of stormwater quality, stream water quality, pollution impacts, pollution prevention, etc.? If yes, briefly describe the materials, including media used (e.g., written brochures, public service announcements, etc.); the topic(s) covered, intended target audience(s), and the distribution method.

Yes ☒

No ☐

water quality brochures and other information are distributed to elementary and high schools, general public, business owners, and contractors/developers. Water quality brochure and information provided to builders and owners when building permit obtained. Also provided to general public when discussing a stormwater complaint or other issue. Education provided to builders and contractors at time of pre-construction meeting by reviewing how to install and maintain erosion and sediment control measures.

2. Does the municipality currently conduct or participate in public outreach activities focusing on the topics of stormwater quality, stream water quality, pollution impacts, pollution prevention, etc.? If yes, briefly describe the outreach activities, topic(s) covered, intended target audience(s), and the frequency of activities.

Yes ☒

No ☐

All monthly and called County Commission and Planning Commission meetings involving regulation changes, public projects, and plan approvals are advertised in the local newspaper and posted at the Courthouse and Zoning Office to inform the public. We work with local watershed groups, chamber of commerce, and citizens at annual stream and lake cleanups.

3. Does the current municipal stormwater management program comply with Local, State and Federal public notice requirements? If yes, describe how the public is notified.

Yes ☒

No ☐

All monthly and called County Commission and Planning Commission meetings involving regulation changes and plan approvals are advertised in the local newspaper and posted at the Courthouse and Zoning Office to inform the public.

B. Proposed Activities:

List the BMPs that you will implement in the areas of Public Education and Outreach and Public Participation and Involvement. These should be based on a set of priorities that you have identified in the areas of Public Education and Outreach and Public Participation and Involvement. Provide a short descriptive name to the BMP in the left column. In the right column, more fully describe the BMP.

For Public Participation and Involvement BMPs, you may not desire to dictate the ways in which the public participates or is involved in the stormwater quality management program; in this case, your proposed program should provide a forum and a structure by which to encourage or allow the public to participate. On the other hand, there may be specific ways you do want the public to be involved, based on your program needs. For instance, you may want stream watch groups to be organized. As such, your proposed program should describe how you will accomplish this, and the time schedule.

PROPOSED BEST MANAGEMENT PRACTICES FOR PUBLIC EDUCATION AND PUBLIC PARTICIPATION		
BMP	Name	DESCRIPTION
1A.	Public Information and Education Plan (PIE)	Develop a plan to provide pollution reduction education for the residents and businesses, including Hot Spots, within Carter County to educate them on the impact of their daily activities on the quality of our waterbodies. The plan should also include the following:

**Phase II Stormwater Permit Notice of Intent (NOI)
Phase II Municipal Separate Storm Sewer Systems (MS4)**

		1. Develop the educational material. 2. Determine the method or methods to distribute this information. 3. Possible educational campaign for local design professionals concerning regulations. 4. Illicit discharge, illegal connections, sanitary sewer overflows, spills, etc. identifying and reporting procedures for public and Town employees. 5. County-owned Facility and Employee Good Housekeeping education. 6. General public, student/children, and commercial good housekeeping education. 7. Stormwater facility maintenance education 8. Support or consider creating workshops to educate the general public and business community on stormwater related issues. 9. Publicize Household Hazardous Waste collection days. 10. Communicate to the development community the dates and locations of TDEC stormwater training.
1B.	Public Participation Program	Develop a plan to provide opportunities for the general public, watershed groups, and the business community to participate in Carter County's Stormwater Program and activities. The plan should include the following: 1. Advertise public meetings that involve new or revised regulations that would impact water quality and the Annual Report for TDEC. 2. Consider an annual stormwater program meeting for public input concerning the County's Stormwater Program and the Annual Report for TDEC. 3. Consider partnering with local watershed groups 4. Campaign to advertise the opportunities for participation by the public. 5. Consider enhancing website 8. Consider creating a citizen's watch group and/or advertising a method for the general public to inform the County of illicit discharges, illegal connections, and other water quality issues 9. Consider partnering with local groups to stamp, stencil, and/or place a placard of "no dumping drains to stream" on storm drain inlets.
1C.		
1D.		

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If you have additional BMPs to list, please include in a separate attachment.

What specific groups will be targeted (e.g., service industries such as carpet cleaning, lawn care, civic groups, schools, church groups) if applicable:

homeowners, students/children, business owners, lawn care, service stations, restaurants, car washes, garden centers, local environmental groups, logging operations

C. Measurable Goals and Implementation Milestones

Attached at the end of this NOI is an addendum to list BMP Measurable Goals and Implementation Milestones. You must complete the addendum, providing more details on the goals and milestones for each BMP outlined in this NOI.

D. Administrative Information

ADMINISTRATIVE INFORMATION FOR PUBLIC EDUCATION AND PUBLIC PARTICIPATION	
PRIMARY CONTACT	POSITION OR TITLE
Chris Schuettler	Stormwater Program Manager

Identify other Department(s) that will be involved and their role.

OTHER DEPARTMENT(S)	ROLE
Planning Zoning Office	assist with development of plan since they are the main contact with the public and development community

Identify if you will partner with another MS4 Operator, or with another institution (e.g. Chamber of Commerce, Environmental interest organizations, civic groups) in order to carry out the chosen BMPs.

**Phase II Stormwater Permit Notice of Intent (NOI)
Phase II Municipal Separate Storm Sewer Systems (MS4)**

ENTITY	BMP

Will another governmental entity be responsible for implementing one or more chosen BMPs? If so, identify the entity and which BMP(s) it will implement. Include a copy of the interlocutory agreement, or contract, or proposed agreement with execution schedule.

ENTITY	BMP

**SECTION 2
ILLICIT DISCHARGE DETECTION AND ELIMINATION**

The following are common sources of illicit discharges to an MS4:

- Sanitary Wastewater
- Car wash wastewaters
- Radiator flushing disposal
- Spills from roadway accidents
- Carpet cleaning wastewaters
- Effluent from septic tanks
- Improper oil disposal
- Laundry Wastewaters/gray water
- Improper disposal of auto and household toxics

A. Current Activities

The following is a set of questions on your current Illicit Discharge Detection and Elimination Program. These questions are intended to highlight minimum program requirements under the MS4 permit. For MS4s who have not been previously covered under an MS4 permit, each element not currently performed must be implemented by the dates identified in Sub-part 4.1.1. of the permit. Thus, each question with a "No" answer must be addressed with a solution in the MS4's proposed program.

STORM SEWER SYSTEM MAP

Does the municipality currently have a storm sewer system map completed for the entire regulated municipal separate storm sewer system? The map must depict, at a minimum: city streets, topography or drainage patterns, streams, and outfalls (points where the city or county-operated MS4 discharges into the streams or adjacent MS4s).

Yes ☐

No ☒

ILLICIT DISCHARGE ORDINANCES

1. Does the municipality currently have an ordinance or regulatory mechanism that prohibits non-stormwater discharges into the storm sewer system? If yes, please attach a copy of the ordinance and give page number(s) of this section of ordinance. If No, proceed to the next section (inspections and enforcement).

Yes ☒ No ☐ 3-4 Page Number 106 Ordinance Section Number

2. Does the ordinance or regulatory mechanism clearly define non-stormwater discharges, either through a written description of a non-stormwater discharge or through a listing of unallowable or allowable non-stormwater discharges?

Yes ☒ No ☐

3. Does the ordinance or regulatory mechanism allow right-of-entry on private property for inspection of suspected discharges?

Yes ☒ No ☐

4. Does the ordinance or regulatory mechanism prohibit dumping?

Yes ☐ No ☒

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Phase II Stormwater Permit Notice of Intent (NOI)
Phase II Municipal Separate Storm Sewer Systems (MS4)

5. Does the ordinance or regulatory mechanism give the MS4 owner/operator the authority to eliminate non-stormwater discharges in the event of violations? If yes, please note page number and paragraph number.

Yes ☒ No ☐ 6-7 Page Number 114.1 Paragraph Number

6. Does the ordinance or regulatory mechanism define penalties for violations? If yes, please note maximum penalty, page number and paragraph number.

Yes ☒ No ☐ \$50 per Zoning Ordinance. Will be changed to \$5000 in the IDDE ordinance Maximum Penalty

Page Number Paragraph Number

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7. Does the municipality have ordinance or other regulatory mechanism that prohibits contamination of stormwater runoff from "hot spots" including industrial and commercial properties, restaurants, auto repair shops, auto supply shops, and large commercial parking areas?

Yes ☐ No ☒

INSPECTION/SCREENING AND ENFORCEMENT PROCEDURES

1. Does the municipality presently have personnel and procedures in place for inspection and/or screening for non-stormwater discharges? If yes, please describe and indicate percentage of system inspected and/or screened.

Yes ☒ The Planning and Zoning Office handles inspections. Inspections and screening of non-stormwater discharges are filled-out on complaint forms and inspection performed to assess complaint. The storm drain outfall map and dry weather screening and other inspection have been completed for a portion of the system. These procedures and the map will be enhanced under the new permit.

No ☐

2. Does the municipality presently have procedures and personnel in place for enforcement of violations of the illicit discharge ordinance? If yes, please describe.

Yes ☒ The Planning and Zoning Office (PZO) Staff handles enforcement of the regulations and issues violations. These procedures will be enhanced with the new permit.

No ☐

3. How are enforcement actions documented?

A complaint form is filled-out and an inspection with photographs of the suspected violation occurs. If violation is found, the PZO speaks with the owner and/or operator to remedy the situation in a timely manner. If violation is not fixed, a fine is assessed. These procedures will be enhanced with the new permit.

4. Has the municipality defined "hot spots" for non-stormwater discharge screening and inspections? If yes, please describe and provide a map of illicit discharge screening hot spots.

Yes ☐ Hot Spots will be defined in the new ordinance to be created. We currently do not have a map. The Hot Spot Map will be created during year 1 of the new permit cycle.

No ☒

PUBLIC INPUT AND COMPLAINTS

1. Does the municipality presently have procedures in place to receive and consider information and complaints about non-stormwater discharges that are submitted by the public? If so, provide brief description: responsible departments, personnel, steps followed.

Yes ☒ Inspections and screening of non-stormwater discharges are filled-out on complaint forms and inspection performed by PZO Staff to assess complaint. This will be enhanced with the new permit.

No ☐

EDUCATION

1. Has the municipality educated the public and businesses including auto parts supply, auto repair shop and restaurants, regarding ways to detect, prevent and eliminate illicit discharges? If yes, briefly describe the educational materials, including media used (e.g., written brochures, public service announcements, etc.), the topic(s) covered, intended target audience(s), and the distribution method.

Yes ☒ water quality brochures and other information are distributed to elementary and high schools, general public, business owners, and contractors/developers. Water quality brochure and information provided to builders and

No ☐

Phase II Stormwater Permit Notice of Intent (NOI)
Phase II Municipal Separate Storm Sewer Systems (MS4)

owners when building permit obtained. Also provided to general public when discussing a stormwater complaint or other issue. Education provided to builders and contractors at time of pre-construction meeting by reviewing how to install and maintain erosion and sediment control measures. Some Hot Spot businesses have received information but not all.

B. Proposed Activities:

List the best management practices (BMPs) that you will implement in the area of Illicit Discharge Detection and Elimination. These should be based on a set of priorities that you have identified in the area of Illicit Discharge Detection and Elimination. Provide a short descriptive name to the BMP in the left column and more description in the right column.

PROPOSED BEST MANAGEMENT PRACTICES FOR ILLICIT DISCHARGE DETECTION AND ELIMINATION		
BMP	Name	DESCRIPTION
2A.	Storm Drain System Map	Continue to create the storm drain outfall map along with the storm drain system that leads to the outfall points for the urbanized areas of the County.
2B.	Illicit Discharge Elimination and Connection Control Ordinance	Update the Ordinance as necessary to meet State minimum regulations.
2C.	Enforcement Response Plan	Develop an Enforcement Response Plan to enforce all stormwater regulations including violations, penalties, repeat violators, when and how to refer Violators to the State, and how to track enforcement actions
2D.	Illicit Discharge Detection and Elimination Plan	Develop a plan to address detection and elimination of illicit discharges including hot spot inspections and education, dry weather screening, illegal connection elimination, method to investigate and resolve potential illicit discharges and illegal connections, and procedures for the public to report suspected illicit discharges. Also include education and a set of guidelines for the Sheriff, Solid Waste, School, and Highway Departments, and the Carter County EMA, if possible, concerning the potential negative impacts of snow/ice chemicals and spill cleanup on water quality.

If you have additional BMPs to list, please include in a separate attachment.

What specific groups will be targeted, if applicable?

general public, business owners, hot spot owners and operators, local government departments and agencies

C. Measurable Goals and Implementation Milestones

Attached at the end of this NOI is an addendum to list BMP Measurable Goals and Implementation Milestones. You must complete the addendum, providing more details on the goals and milestones for each BMP outlined in this NOI.

D. Administrative Information

ADMINISTRATIVE INFORMATION FOR ILLICIT DISCHARGE DETECTION AND ELIMINATION	
PRIMARY CONTACT	POSITION OR TITLE
Chris Schuettler	Stormwater Program Manager

Identify other Department(s) that will be involved and their role.

OTHER DEPARTMENT(S)	ROLE
Planning Zoning Office	violation resolution, hot spot inspections, ordinance updates
County Attorney	violation resolution, ordinance updates
Highway Dept	hot spot inspections, ordinance updates, storm drain map
State Planner	ordinance updates

Identify if you will partner with another MS4 Operator, or with another institution (e.g. Chamber of Commerce, Environmental interest organizations, civic groups) in order to carry out the chosen BMPs.

ENTITY	BMP

ENTITY	BMP

A. Current Activities

CONSTRUCTION SITE RUNOFF ORDINANCES

- Yes ☒
- No ☐

Yes ☒ No ☐ Page Number

- Yes ☒ No ☐

- | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Page Number | "part of larger common development will be added" | Paragraph Number |
|---|-------------|---|------------------|
| | 3-4 | | |

- Yes ☒ No ☐ 2, 5-7 Page Number Paragraph Number

- Yes ☐ No ☒

- Yes ☐ No ☒

- RDA 1663

Phase II Stormwater Permit Notice of Intent (NOI)
Phase II Municipal Separate Storm Sewer Systems (MS4)

Yes ☒ No ☐ 3-4 Page Number Paragraph Number

9. Does the ordinance or regulatory mechanism require approval by the local government prior to commencement of land disturbance activities? If yes, note page number and paragraph number.

Yes ☒ No ☐ 3 Page Number Paragraph Number

10. Does the ordinance or regulatory mechanism require re-submittal of erosion and sediment control information or plans if site plans or conditions change during land disturbance activities? If yes, note page number and paragraph number.

Yes ☒ No ☐ Page Number Paragraph Number
8 PZO Director has authority to require additional measures if approved plan does not adequately address stormwater controls needed.

11. Does the ordinance or regulatory mechanism allow right-of-entry for government officials onto construction sites for inspections? If yes, note page number and paragraph number.

Yes ☒ No ☐ 10 Page Number Paragraph Number

12. Does the ordinance or regulatory mechanism give the MS4 owner/operator the authority to STOP WORK in the event of non-compliance violations? If yes, note page number and paragraph number.

Yes ☒ No ☐ 10 Page Number Paragraph Number

CONSTRUCTION SITE PLANS REVIEW

1. Does the municipality presently have in place a technical review process (i.e. engineering department, planning department, zoning board) that evaluates new development and redevelopment construction for construction site runoff?

Yes ☒ No ☐

2. Does the technical review process require an erosion prevention and sediment control plan with appropriate BMPs?

Yes ☒ No ☐

3. Does the review process include a requirement for pre-construction meeting between the municipality and site developer, for priority construction sites, including at a minimum those construction activities discharging directly into, or immediately upstream of, waters the state recognizes as impaired or exceptional?

Yes ☒ No ☐

4. If there is a review process, provide a brief narrative or a flow chart of the process, describing the process steps, responsible personnel (by department, title and contact person), and criteria used for evaluation of information or plans that are submitted.

Plans are submitted to the Planning and Zoning Office 30 days prior to Planning Commission meeting. The plans are reviewed by the Planning and Zoning Office Staff that have reached Level II TDEC training and then by the Planning Commission for approval or disapproval. Grading permit issued after Planning Commission approval. These procedures will be enhanced with the new permit.

RESPONDING TO PUBLIC INPUT AND COMPLAINTS

1. Does the municipality presently have procedures in place for receipt and consideration of information and complaints submitted by the public?

Yes ☒ No ☐

If Yes, please provide a brief narrative of the receipt process and procedures, describing process steps, responsible departments, and personnel (by title). If available, provide information on complaint tracking, documentation, etc:

A complaint form is filled-out and an inspection with photographs of the suspected violation occurs. If violation is found, the PZO speaks with the owner and/or operator to remedy the situation in a timely manner. If violation is not fixed, a fine is assessed. These procedures will be enhanced with the new permit.

ENFORCEMENT AND INSPECTION PROCEDURES

1. Does the municipality presently have personnel and procedures in place for construction site runoff inspection?

Yes ☒ No ☐

2. Does the program provide for pre-construction meeting and monthly inspection of priority sites?

**Phase II Stormwater Permit Notice of Intent (NOI)
Phase II Municipal Separate Storm Sewer Systems (MS4)**

Yes ☒

No ☐

3. Does the municipality presently have procedures and personnel in place for enforcement to the maximum extent for violations of construction site requirements?

Yes ☐

No ☒

4. Does the municipality use a STOP WORK order to enforce non-compliance with construction site policies and requirements?

Yes ☐

No ☒

5. How are enforcement actions documented?

An inspection with photographs of the suspected violation occurs. If violation is found, the PZO speaks with the owner and/or operator to remedy the situation in a timely manner. If violation is not fixed, a fine is assessed. These procedures will be enhanced with the new permit.

TRAINING AND EDUCATION

1. Does the municipality presently make construction site runoff control training/information available to the public, developers, engineers, and contractors? (Be aware that the state of Tennessee regularly conducts erosion prevention and sediment control classes across the state. Local governments are encouraged to refer developers and contractors to these classes).

Yes ☒

No ☐

2. Has municipal staff completed state-sponsored training, including the Tennessee Fundamentals of Erosion Prevention and Sediment Control; and the Erosion Prevention and Sediment Control Design Course?

Yes ☒

No ☐

B. Proposed Activities:

List the best management practices (BMPs) that you will implement in the area of Construction Site Runoff Program. These should be based on a set of priorities that you have identified in the area of Construction Site Runoff Program. Provide a short descriptive name to the BMP in the left column and more description in the right column.

PROPOSED BEST MANAGEMENT PRACTICES FOR CONSTRUCTION SITE RUNOFF PROGRAM		
BMP	Name	DESCRIPTION
3A.	Stormwater, Ordinance	Revise existing ordinance as necessary to comply with new State stormwater regulations including the MS4 Phase II Program and the Construction General Permit (CGP).
3B.	Inspector and Plan Reviewer Training	Construction Site Inspector(s) to maintain or obtain Level 1 Certification. Plan Reviewer(s) to maintain or obtain Level 2 Certification.
3C.	Site Development Approval Process	Develop Standard Operating Procedures (SOPs) for the review and approval process including public input, inspection process, violation resolution, identification of priority construction activities, and to create an inventory of construction sites.
3D.	Construction Site Inventory	Create and maintain an inventory of all public and private construction sites that equal or exceed 1 acre of land disturbance or are part of a larger common development that would disturb 1 acre or more of land.

If you have additional BMPs to list, please include in a separate attachment.

What specific groups will be targeted, if applicable?

general public, businesses, design professionals, builders, developers, contractors, inspectors, plan reviewers

C. Measurable Goals and Implementation Milestones

Attached at the end of this NOI is an addendum to list BMP Measurable Goals and Implementation Milestones. You must complete the addendum, providing more details on the goals and milestones for each BMP outlined in this NOI.

D. Administrative Information

ADMINISTRATIVE INFORMATION FOR CONSTRUCTION SITE RUNOFF PROGRAM	
PRIMARY CONTACT	POSITION OR TITLE
Chris Schuettler	Stormwater Program Manager

Identify other Department(s) that will be involved and their role.

**Phase II Stormwater Permit Notice of Intent (NOI)
Phase II Municipal Separate Storm Sewer Systems (MS4)**

OTHER DEPARTMENT(S)	ROLE
Planning Zoning Office	permits, inspections, violations, ordinance update, site inventory, SOPs
County Attorney	violations, ordinance update
State Planner	Ordinance update

Identify if you will partner with another MS4 Operator, or with another institution (e.g. Chamber of Commerce, Environmental interest organizations, civic groups) in order to carry out the chosen BMPs.

ENTITY	BMP

Will another governmental entity be responsible for implementing one or more chosen BMPs? If so, identify the entity and which BMP(s) it will implement. Include a copy of the interlocutory agreement, or contract, or proposed agreement with execution schedule.

ENTITY	BMP

**SECTION 4
PERMANENT (POST-CONSTRUCTION) STORMWATER MANAGEMENT
IN NEW DEVELOPMENT AND REDEVELOPMENT PROGRAM**

A. Current Activities

The following is a set of questions on your current Permanent Stormwater Management in New Development and Redevelopment Program. These questions are intended to highlight minimum program requirements under the MS4 permit. For MS4s who have not been previously covered under an MS4 permit, each element not currently performed must be implemented by the dates identified in Sub-part 4.1.1. of the permit. Thus, each question with a "No" answer must be addressed with a solution in the MS4's proposed program.

STRUCTURAL AND NON-STRUCTURAL STRATEGIES

1. Does the municipality currently have in place mechanisms or strategies to address permanent stormwater runoff management from new development or redevelopment projects that result in land disturbance of one acre or more? For example, land use planning requirements, zoning directives, site-based local controls such as riparian buffer zone protection; storage or detention of stormwater prior to release to streams; practices to cause stormwater to percolate the soil rather than runoff immediately; vegetative practices.

Yes ☐

No ☒

If Yes, please provide a brief narrative of - and/or references to - the structural and non-structural strategies, describing strategies implemented, Best Management Practices allowed, technical guidance, responsible departments, and personnel (by title).

PERMANENT STORMWATER CONTROLS SITE MANAGEMENT ORDINANCE

1. Do you currently have an ordinance or regulatory mechanism that addresses permanent stormwater runoff management from new development and redevelopment projects? If yes, reference the page number in your ordinance. If No, proceed to the next section on permanent stormwater management plans review.

Yes ☐ No ☒

Page Number

Paragraph Number

2. Does the ordinance or regulatory mechanism require controls to mitigate pollutants in stormwater runoff? If yes, note page number and paragraph number.

Yes ☐ No ☒

Page Number

Paragraph Number

Phase II Stormwater Permit Notice of Intent (NOI)
Phase II Municipal Separate Storm Sewer Systems (MS4)

3. Does the ordinance or regulatory mechanism require (explicitly or implicitly) that controls be implemented for any new development or redevelopment projects greater than or equal to one acre, including projects less than one acre that are part of a large common plan of development or sale, that discharge into your small MS4? If yes, note page number and paragraph number.

Yes ☐ No ☒ _____ Page Number _____ Paragraph Number

4. Does the ordinance or regulatory mechanism contain or reference technical standards for water quality controls (e.g., design of detention basins)? If yes, note page number and paragraph number.

Yes ☐ No ☒ _____ Page Number _____ Paragraph Number

5. Does the ordinance or regulatory mechanism clearly define the criteria for submittal -who must submit - of permanent stormwater management design information or plans? If yes, note page number and paragraph number.

Yes ☐ No ☒ _____ Page Number _____ Paragraph Number

6. Does the ordinance or regulatory mechanism require approval prior to construction of permanent stormwater management controls? If yes, note page number and paragraph number.

Yes ☐ No ☒ _____ Page Number _____ Paragraph Number

7. Does the ordinance or regulatory mechanism require re-submittal of permanent stormwater management design information or plans if site plans change after the initial design has been approved? If yes, please note page number and paragraph number.

Yes ☐ No ☒ _____ Page Number _____ Paragraph Number

8. Does the ordinance or regulatory mechanism give the MS4 owner/operator the authority to penalize the owner of permanent stormwater management controls for violations? If yes, note page number and paragraph number.

Yes ☐ No ☒ _____ Page Number _____ Paragraph Number

9. Does the ordinance or regulatory mechanism allow the municipality right-of-entry on property where permanent stormwater management controls are installed for inspections? If yes, please note page number and paragraph number.

Yes ☐ No ☒ _____ Page Number _____ Paragraph Number

10. Does the ordinance or regulatory mechanism require that permanent stormwater management controls have adequate and long-term operation and maintenance? If yes, please note page number and paragraph number. If no, how does the MS4 owner/operator maintain permanent stormwater management controls?

Yes ☐
No ☒

11. Does the ordinance or regulatory mechanism require establishment and maintenance of water quality buffers in areas of new development and redevelopment?

Yes ☐ No ☒

PERMANENT STORMWATER MANAGEMENT PLANS REVIEW

1. Does the municipality presently have in place a technical review process (i.e. engineering department, planning department, zoning board) that evaluates new development and redevelopment with regard to the impact that permanent stormwater runoff will have on receiving streams?

Yes ☐ No ☒

If Yes, provide a brief narrative or a flow chart of the review process, describing the process steps, responsible personnel (by department, title and contact person), and criteria used for evaluation of information or plans that are submitted.

B. Proposed Activities:

List the best management practices (BMPs) that you will implement in the area of the Permanent Stormwater Management Plans Review Program. These should be based on a set of priorities that you have identified in the area of the Permanent Stormwater

Phase II Stormwater Permit Notice of Intent (NOI)
Phase II Municipal Separate Storm Sewer Systems (MS4)

Management Plans Review Program. Provide a short descriptive name to the BMP in the left column and more description in the right column.

PROPOSED BEST MANAGEMENT PRACTICES FOR PERMANENT STORMWATER MANAGEMENT PLANS REVIEW		
BMP	Name	DESCRIPTION
4A.	Permanent Stormwater Management Ordinance	Review current regulations using the EPA's Scorecard and submit Scorecard results with first year's Annual Report. Create ordinance to meet current (pre-2010 MS4 Permit) State regulations. Revise ordinance and technical manuals as necessary to comply with new State stormwater regulations including the MS4 Phase II Program within 48 months.
4B.	Offsite Mitigation Program	Consider creating and implementing an offsite mitigation program or fee-in-lieu for projects that can not meet 100% of the onsite runoff reduction requirement or where an offsite mitigation project would provide for better water quality improvement.
4C.	Permanent Stormwater Management Plan Approval Process	Develop Standard Operating Procedures (SOPs) for the review and approval process including public input, inspection process, violation resolution, identification of priority construction activities, and to create an inventory of construction sites.
4D.	Permanent Stormwater Management BMP Inventory	Create and maintain an inventory of all best management practices (BMPs) used for permanent stormwater management including type, location, maintenance, and inspections.

If you have additional BMPs to list, please include in a separate attachment.

What specific groups will be targeted, if applicable?

general public, businesses, design professionals, builders, developers, contractors, inspectors, plan reviewers

C. Measurable Goals and Implementation Milestones

Attached at the end of this NOI is an addendum to list BMP Measurable Goals and Implementation Milestones. You must complete the addendum, providing more details on the goals and milestones for each BMP outlined in this NOI.

D. Administrative Information

ADMINISTRATIVE INFORMATION FOR PERMANENT STORMWATER MANAGEMENT PLANS REVIEW	
PRIMARY CONTACT	POSITION OR TITLE
Chris Schuettler	Stormwater Program Manager

Identify other Department(s) that will be involved and their role.

OTHER DEPARTMENT(S)	ROLE
Zoning Office	permits, plans review, BMP inventory, ordinance create and update, SOPs
State Planner	plans review, ordinance creation and update
County Attorney	ordinance creation and update

Identify if you will partner with another MS4 Operator, or with another institution (e.g. Chamber of Commerce, Environmental interest organizations, civic groups) in order to carry out the chosen BMPs.

ENTITY	BMP

Will another governmental entity be responsible for implementing one or more chosen BMPs? If so, identify the entity and which BMP(s) it will implement. Include a copy of the interlocutory agreement, or contract, or proposed agreement with execution schedule.

ENTITY	BMP

Phase II Stormwater Permit Notice of Intent (NOI)
Phase II Municipal Separate Storm Sewer Systems (MS4)

SECTION 5
POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

A. Current Activities

The following is a set of questions on your current Pollution Prevention/Good Housekeeping for Municipal Operations Program. These questions are intended to highlight minimum program requirements under the MS4 permit. For MS4s who have not been previously covered under an MS4 permit, each element not currently performed must be implemented by the dates identified in Sub-part 4.1.1. of the permit. Thus, each question with a "No" answer must be addressed with a solution in the MS4's proposed program.

STAFF EDUCATION AND TRAINING

1. Does the municipality's current operation and maintenance program provide annual training for staff on preventing and reducing stormwater pollution from activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and stormwater system maintenance?

Yes ☐

No ☒

2. Are training activities documented? If yes, please describe training and method of record-keeping.

Yes ☐

No ☒

MUNICIPAL OPERATIONS POLLUTION PREVENTION

1. Does the municipality's operations and maintenance program have policies and procedures in place that address pollution prevention? If yes, please describe procedures. Consider the following in your response: maintenance activities, maintenance schedules; long term inspection procedures for structural and non-structural stormwater controls to reduce floatables and other pollutants; controls for reducing or eliminating the discharge of pollutants from streets, roads, highways; controls for reducing or eliminating pollutants from municipal parking lots, maintenance and storage yards, fleet or maintenance areas with outdoor storage areas, salt/sand storage areas, snow disposal areas, waste transfer stations; disposal of waste removed from storm sewers and the areas listed above; and assessment of impacts on water quality from new flood management projects.

Yes ☐

No ☒

MUNICIPAL INDUSTRIAL ACTIVITIES

1. Has the MS4 owner/operator obtained a Tennessee Multi-Sector General Permit or a no-exposure waiver for all qualifying municipal industrial activities? If yes, please give permit numbers or attach copies of the No-Exposure Certification form.

Yes ☐

No ☒

Permit Number(s)

2. List municipally-owned or operated facilities that have a notable potential for contaminating runoff: for example - vehicle maintenance garages; waste transfer operations; golf courses; salt or other materials storage; landfill. If more than one facility for a given type of operation; give the number of such facilities. Indicate if any of these are covered by an NPDES permit. Is there a documented pollution prevention plan in place for these facilities?

FACILITY OR TYPE OF OPERATION	NUMBER OF FACILITIES	IS ACTIVITY COVERED BY NPDES PERMIT?	IS A POLLUTION PREVENTION PLAN IN EFFECT?
Highway Dept Maintenance and Storage Facilities	1	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Carter County Solid Waste Landfill	1	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Solid Waste Recycling and Trash Collection Sites	3	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Maintenance garages for County vehicles	2	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Watauga River Regional Water Treatment Plant TN0081124	1		

B. Proposed Activities:

Phase II Stormwater Permit Notice of Intent (NOI)
Phase II Municipal Separate Storm Sewer Systems (MS4)

List the best management practices (BMPs) that you will implement in the area of the Pollution Prevention and Housekeeping Program. These should be based on a set of priorities that you have identified in the area of the Pollution Prevention and Housekeeping Program. Provide a short descriptive name to the BMP in the left column and more description in the right column.

In addition to considering industrial-type operations, you must also consider municipal infrastructure, and related maintenance activities, maintenance schedules and long-term inspection procedures for structural controls and the proper disposal of waste from storm sewers/catch basins, etc. Also included in this program area is discharge of pollutants from roads and parking lots

PROPOSED BEST MANAGEMENT PRACTICES FOR POLLUTION PREVENTION AND HOUSEKEEPING		
BMP	Name	DESCRIPTION
5A.	Good Housekeeping Plan	Develop and implement an operation and maintenance program to prevent or reduce pollutants, trash, litter, debris, etc. from municipal operations including facilities, public roads, and public parking lots.
5B.	Staff Training	Provide training as necessary for Staff to implement the Goodhousekeeping Plan.
5C.		
5D.		

If you have additional BMPs to list, please include in a separate attachment.

What specific groups will be targeted, if applicable?

Facility Managers, Department Directors, and other Staff
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C. Measurable Goals and Implementation Milestones

Attached at the end of this NOI is an addendum to list BMP Measurable Goals and Implementation Milestones. You must complete the addendum, providing more details on the goals and milestones for each BMP outlined in this NOI.

D. Administrative Information

ADMINISTRATIVE INFORMATION FOR POLLUTION PREVENTION AND HOUSEKEEPING	
PRIMARY CONTACT	POSITION OR TITLE
Chris Schuettler	Stormwater Program Manager

Identify other Department(s) that will be involved and their role.

OTHER DEPARTMENT(S)	ROLE
Solid Waste Department	facility maintenance, program development, litter control
Highway Department	facility maintenance, program development, litter control
Sheriff's Department	facility maintenance, program development, litter control
School Maintenance Dept	facility maintenance, program development
Other Facility Managers	facility maintenance, program development
Zoning Office	Inspections, program development

Identify if you will partner with another MS4 Operator, or with another institution (e.g. Chamber of Commerce, Environmental interest organizations, civic groups) in order to carry out the chosen BMPs.

ENTITY	BMP

Will another governmental entity be responsible for implementing one or more chosen BMPs? If so, identify the entity and which BMP(s) it will implement. Include a copy of the interlocutory agreement, or contract, or proposed agreement with execution schedule.

ENTITY	BMP
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Phase II Stormwater Permit Notice of Intent (NOI)
Phase II Municipal Separate Storm Sewer Systems (MS4)

**Phase II Stormwater Permit Notice of Intent (NOI)
Phase II Municipal Separate Storm Sewer Systems (MS4)**

**ADDENDUM TO SMALL MS4 NPDES PERMIT NOTICE OF INTENT
BEST MANAGEMENT PRACTICES (BMPs) MEASURABLE GOALS AND MILESTONES**

The purpose of this addendum is to record the measurable goals for each BMP, and the dates (month and year) by which interim actions are to be accomplished. Space is given for four BMPs for each of the six minimum measures. If necessary, please attach additional BMP MEASURABLE GOALS AND MILESTONES as a separate attachment.

Measurable goals are BMP design objectives, or goals that will quantify the progress of implementing the actions or performance of a BMP. They are ways to measure activities or effects of a BMP. For each of the six minimum measures and for each BMP, define the measurable goal you will use to monitor effectiveness of this BMP. The BMPs you list here should match exactly those given in Part V., 1-5 of this NOI. For purposes of this NOI, the Public Education and Outreach and Public Involvement/Participation minimum measures have been combined.

For each BMP, establish milestones for implementation. These tables are set up for once/year milestones. You may change the milestone dates to time frames less than one year.

BEST MANAGEMENT PRACTICES FOR PUBLIC EDUCATION AND PUBLIC PARTICIPATION	
BMP 1A	MEASURABLE GOALS AND MILESTONES
Goal(s)	Year 1-Plan 100% complete, Year 2-100% of Hot Spots provided with education material
Milestone Year 1	Develop the Public Involvement and Education Plan (PIE) to provide pollution reduction educational materials for the residents and businesses, including Hot Spots, within the County to educate them on the impact of their daily activities on the quality of our waterbodies.
Milestone Year 2	Develop any additional education material needed and distribute. Continue to implement the PIE and revise as necessary
Milestone Year 3	Continue to implement the PIE and revise as necessary
Milestone Year 4	Continue to implement the PIE and revise as necessary
Milestone Year 5	Continue to implement the PIE and revise as necessary
BMP 1B	MEASURABLE GOALS AND MILESTONES
Goal(s)	Year 1-Plan 100% complete, Year 1 thru Year 5-Public meetings 100% advertised
Milestone Year 1	Develop a Public Participation Plan to provide opportunities for the general public, watershed groups, and the business community to participate in the County's Stormwater Program and activities. Advertise public meetings that involve land development approvals and new or revised regulations that would impact water quality starting 30 days from coverage under this permit. Advertise for and hold a public meeting for public input on the Annual Report before transmitting to TDEC.
Milestone Year 2	Implement the plan
Milestone Year 3	Continue to implement the plan and revise as necessary
Milestone Year 4	Continue to implement the plan and revise as necessary
Milestone Year 5	Continue to implement the plan and revise as necessary
BMP 1C	MEASURABLE GOALS AND MILESTONES
Goal(s)	
Milestone Year 1	
Milestone Year 2	
Milestone Year 3	
Milestone Year 4	
Milestone Year 5	
BMP 1D	MEASURABLE GOALS AND MILESTONES
Goal(s)	
Milestone Year 1	

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Phase II Stormwater Permit Notice of Intent (NOI)
Phase II Municipal Separate Storm Sewer Systems (MS4)

Milestone Year 2	
Milestone Year 3	
Milestone Year 4	
Milestone Year 5	

BEST MANAGEMENT PRACTICES FOR ILLICIT DISCHARGE DETECTION AND ELIMINATION	
BMP 2A	MEASURABLE GOALS AND MILESTONES
Goal(s)	Year 1-20% complete, Year 2-40% complete, Year 3-60% complete, Year 4-80% complete, Year 5-100% complete
Milestone Year 1	Continue to create the County's storm drain outfall map and the storm drain system that leads to the outfall points. Priority focus will be in the urbanized areas (mainly around and near the City of Elizabethton) and in the watersheds of the impaired streams due to MS4 runoff.
Milestone Year 2	Continue to create the County's storm drain outfall map and the storm drain system that leads to the outfall points.
Milestone Year 3	Continue to create the County's storm drain outfall map and the storm drain system that leads to the outfall points.
Milestone Year 4	Continue to create the County's storm drain outfall map and the storm drain system that leads to the outfall points.
Milestone Year 5	Complete the County's storm drain outfall map and the storm drain system that leads to the outfall points.
BMP 2B	MEASURABLE GOALS AND MILESTONES
Goal(s)	Year 1-Review Ordinance 100% complete, Year 2-Update Ordinance 100% complete
Milestone Year 1	Review the Ordinance as necessary to meet State minimum regulations.
Milestone Year 2	Update the Ordinance as necessary to meet State minimum regulations.
Milestone Year 3	Review and update the Ordinance as necessary.
Milestone Year 4	Review and update the Ordinance as necessary.
Milestone Year 5	Review and update the Ordinance as necessary.
BMP 2C	MEASURABLE GOALS AND MILESTONES
Goal(s)	Year 2 thru Year 5-Trend of reduction in average violations per construction site
Milestone Year 1	Develop an Enforcement Response Plan to enforce all stormwater regulations including violations, penalties, repeat violators, when and how to refer Violators to the State, and how to track enforcement actions
Milestone Year 2	Implement the Enforcement Response Plan
Milestone Year 3	Continue to implement the Enforcement Response Plan and update as necessary
Milestone Year 4	Continue to implement the Enforcement Response Plan and update as necessary
Milestone Year 5	Continue to implement the Enforcement Response Plan and update as necessary
BMP 2D	MEASURABLE GOALS AND MILESTONES
Goal(s)	Year 2-plan 100% implemented, Year 2-100% of hot spots inspected, Year 5-100% of issues resolved
Milestone Year 1	Develop a plan to address detection and elimination of illicit discharges including hot spot inspections, illegal connection elimination, method to investigate and resolve potential illicit discharges and illegal connections, and procedures for the public to report suspected illicit discharges. Also include education and a set of guidelines for the Sheriff, Solid Waste, School, and Highway Departments, and the Carter County EMA, if possible, concerning the potential negative impacts of snow/ice chemicals and spill cleanup on water quality. Develop Hot Spot Map.
Milestone Year 2	Implement the plan
Milestone Year 3	Continue to implement and update the plan as necessary
Milestone Year 4	Continue to implement and update the plan as necessary

Phase II Stormwater Permit Notice of Intent (NOI)
Phase II Municipal Separate Storm Sewer Systems (MS4)

Milestone Year 5	Continue to implement and update the plan as necessary
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BEST MANAGEMENT PRACTICES FOR CONSTRUCTION SITE RUNOFF PROGRAM	
BMP 3A	MEASURABLE GOALS AND MILESTONES
Goal(s)	Year 1-Review 100% complete. Year 2-Revision 100% complete
Milestone Year 1	Review existing ordinance as necessary to comply with new State stormwater regulations including the MS4 Phase II Program and the Construction General Permit (CGP)
Milestone Year 2	Revise existing ordinance as necessary to comply with new State stormwater regulations including the MS4 Phase II Program and the Construction General Permit (CGP) within 18 months of CGP reissuance.
Milestone Year 3	Continue to review and update ordinance as necessary
Milestone Year 4	Continue to review and update ordinance as necessary
Milestone Year 5	Continue to review and update ordinance as necessary
BMP 3B	MEASURABLE GOALS AND MILESTONES
Goal(s)	Year 1-100% compliance
Milestone Year 1	Construction Site Inspector(s) to obtain or maintain Level 1 Certification. Plan Reviewer(s) to maintain or obtain Level 2 Certification.
Milestone Year 2	Maintain certifications. New Staff to become certified as appropriate.
Milestone Year 3	Maintain certifications. New Staff to become certified as appropriate.
Milestone Year 4	Maintain certifications. New Staff to become certified as appropriate.
Milestone Year 5	Maintain certifications. New Staff to become certified as appropriate.
BMP 3C	MEASURABLE GOALS AND MILESTONES
Goal(s)	Year 1-SOPs 100% created Year 2-SOPs 100% implemented
Milestone Year 1	Develop Standard Operating Procedures (SOPs) for the review and approval process including public input, inspection process, violation resolution, identification of priority construction activities, and to create an inventory of construction sites.
Milestone Year 2	Implement Standard Operating Procedures (SOPs)
Milestone Year 3	continue to review and update SOPs as necessary
Milestone Year 4	continue to review and update SOPs as necessary
Milestone Year 5	continue to review and update SOPs as necessary
BMP 3D	MEASURABLE GOALS AND MILESTONES
Goal(s)	Year 1-Inventory 100% complete
Milestone Year 1	Create and maintain, within 12 months of coverage under this permit, an inventory of all public and private construction sites that equal or exceed 1 acre of land disturbance or are part of a larger common development that would disturb 1 acre or more of land.
Milestone Year 2	Maintain inventory
Milestone Year 3	Maintain inventory
Milestone Year 4	Maintain inventory
Milestone Year 5	Maintain inventory

BEST MANAGEMENT PRACTICES FOR PERMANENT (POST-CONSTRUCTION) STORMWATER MANAGEMENT PROGRAM	
BMP 4A	MEASURABLE GOALS AND MILESTONES
Goal(s)	Year 1-Scorecard and Ordinance 100% complete. Year 4-Ordinance 100% updated
Milestone Year 1	Review all current regulations using the EPA's Scorecard and submit Scorecard results with first year's Annual Report. Create Permanent Stormwater Management Ordinance in accordance with State regulations (pre-2010 MS4 Permit requirements)
Milestone Year 2	Discuss potential changes to the ordinance and technical manuals as needed.

**Phase II Stormwater Permit Notice of Intent (NOI)
Phase II Municipal Separate Storm Sewer Systems (MS4)**

Milestone Year 3	Update the ordinance and technical manuals as needed
Milestone Year 4	Revise existing ordinance and technical manuals as necessary to comply with new State stormwater regulations including the MS4 Phase II Program within 48 months of coverage under this permit
Milestone Year 5	Update existing ordinance and technical manuals as necessary
BMP 4B	MEASURABLE GOALS AND MILESTONES
Goal(s)	(To be developed if OMP created)
Milestone Year 1	Consider creating and implementing an offsite mitigation program or fee-in-lieu for projects that can not meet 100% of the current and future permanent stormwater management requirements or where an offsite mitigation project would provide for better water quality improvement.
Milestone Year 2	Implement program if deemed appropriate
Milestone Year 3	Review and update program as necessary
Milestone Year 4	Review and update program as necessary especially with regards to new permanent stormwater management regulations to go into effect this year.
Milestone Year 5	Review and update program as necessary
BMP 4C	MEASURABLE GOALS AND MILESTONES
Goal(s)	Year 1-SOPs 100% created Year 2-SOPs 100% implemented
Milestone Year 1	Develop Standard Operating Procedures (SOPs) for the review and approval process including public input, inspection process, violation resolution, identification of priority construction activities, and to create an inventory of construction sites.
Milestone Year 2	Implement Standard Operating Procedures (SOPs)
Milestone Year 3	continue to review and update SOPs as necessary
Milestone Year 4	continue to review and update SOPs as necessary
Milestone Year 5	continue to review and update SOPs as necessary
BMP 4D	MEASURABLE GOALS AND MILESTONES
Goal(s)	Year 1-Inventory 100% complete
Milestone Year 1	Create and maintain, within 180 days of coverage under this permit, an inventory of all best management practices (BMPs) used for permanent stormwater management including type, location, maintenance, and inspections.
Milestone Year 2	Maintain inventory
Milestone Year 3	Maintain inventory
Milestone Year 4	Maintain inventory
Milestone Year 5	Maintain inventory

BEST MANAGEMENT PRACTICES FOR MUNICIPAL POLLUTION PREVENTION AND GOOD HOUSEKEEPING	
BMP 5A	MEASURABLE GOALS AND MILESTONES
Goal(s)	Year 2-Program 100% implemented. Year 2 thru Year 5-Yearly trend of declining pollutant issues at facilities
Milestone Year 1	Begin to develop and implement an operation and maintenance program to prevent or reduce pollutants, trash, litter, debris, etc. from municipal operations including facilities, public roads, and public parking lots.
Milestone Year 2	Implement an operation and maintenance program to prevent or reduce pollutants, trash, litter, debris, etc. from municipal operations including facilities, public roads, and public parking lots.
Milestone Year 3	continue to review and update program as necessary
Milestone Year 4	continue to review and update program as necessary
Milestone Year 5	continue to review and update program as necessary
BMP 5B	MEASURABLE GOALS AND MILESTONES
Goal(s)	Year 2-100% of appropriate Staff trained
Milestone Year 1	Begin training as necessary for Staff to implement the Goodhousekeeping Plan.

Phase II Stormwater Permit Notice of Intent (NOI)
Phase II Municipal Separate Storm Sewer Systems (MS4)

Milestone Year 2	Continue training as necessary for Staff to implement the Goodhousekeeping Plan.
Milestone Year 3	Continue training as necessary for Staff to implement the Goodhousekeeping Plan.
Milestone Year 4	Continue training as necessary for Staff to implement the Goodhousekeeping Plan.
Milestone Year 5	Continue training as necessary for Staff to implement the Goodhousekeeping Plan.
BMP 5C	MEASURABLE GOALS AND MILESTONES
Goal(s)	
Milestone Year 1	
Milestone Year 2	
Milestone Year 3	
Milestone Year 4	
Milestone Year 5	
BMP 5D	MEASURABLE GOALS AND MILESTONES
Goal(s)	
Milestone Year 1	
Milestone Year 2	
Milestone Year 3	
Milestone Year 4	
Milestone Year 5	

STORMWATER PROGRAM ORGANIZATIONAL CHART
CARTER COUNTY, TENNESSEE

